

CLAIMS

What Is Claimed Is:

A printer cartridge comprising a series of magnetic elements selected to 1 1. counterbalance a series of magnetic element on a printer, and each positioned to lie adjacent to a 2 3 corresponding magnetic field detecting switch on the printer, where the position of the magnetic 4 elements on the cartridge are located so as to change a condition of the corresponding magnetic field detecting switch when the cartridge is inserted into the printer. 2. The printer cartridge of claim 1 wherein the magnetic field detecting switch 2 comprises a reed switch. 3. The printer cartridge of claim 1 wherein each magnetic field detecting switch 2 comprises an element of a cartridge identification code. ļ≟ ₽÷ 1 4. A printer cartridge identification system comprising: 2 a printer cartridge including a plurality of magnetic elements disposed adjacent a 3 plurality of magnetic field detecting switches located on a printer; and a printer including a plurality of magnetic field detecting switches corresponding to 4 the plurality of magnetic elements on the printer cartridge, the magnetic field detecting switches 5 6 cooperating to define a printer cartridge identification code. The printer cartridge identification system of claim 4 wherein the magnetic field 1 5. 2 detecting switches comprise reed switches.

